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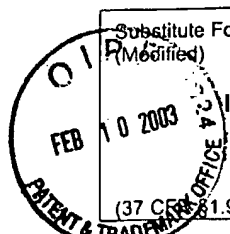
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	Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 10449-031001		Application No. 09/748,504	
	Information Disclosure Statement by Applicant (Use several sheets if necessary)						Applicant Koji Hayashi et al.	
							Filing Date December 26, 2000	
	(37 CFR 1.98(b))							

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
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	AG						
	AH						
	AI						
	AJ						
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
lc	AL	1998-028125	15.07.98	Korea	/	/		
lc	AM	1999-024893	06.04.99	Korea	/	/		
lc	AN	63-52393	05.03.88	Japan	/	/		
lc	AO	H11-66745	09.03.99	Japan	/	/		
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature <i>C. J. Kim</i>	Date Considered 7/22/04
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-031001	Application No. 09/748,504
Information Disclosure Statement by Applicant (See several sheets if necessary)		Applicant Koji Hayashi et al.	
		Filing Date December 26, 2000	Group Art Unit 2651 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
KK	AA	5,317,553	05/31/94	Ohga et al.	/	/	/

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
KK	AB	4-103079	04/06/92	Japan (corresponds to U.S. 5,317,553, enclosed)	/	/		

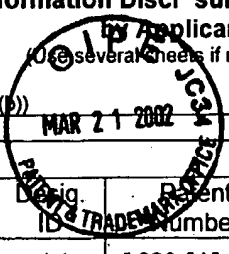
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
KK	AC	Abstract for Japanese Patent No. JP1312736, Publication Date December 18, 1989, Title: Optical Disk Device and Optical Disk
KK	AD	Abstract for Japanese Patent No. JP3260958, Publication Date: November 20, 1991, Title: Optical Disk Device
KK	AE	Abstract for Japanese Patent No. JP6076401, Publication Date: March 18, 1994, Title: Magneto-Optical Recording Method for Magneto-Optical Disk of Large Heat Time Constant, Recording Device and Magneto-Optical Disk
KK	AF	Abstract for Japanese Patent No. JP6162511, Publication Date: June 10, 1994, Title: Recording Method for Optical Disk Employing Draw Type Disk Recording Device
KK	AG	Abstract for Japanese Patent No. JP10241165, Publication Date: September 11, 1998, Title: Pulse Generating Circuit and Optical Disc Driver

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		Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,220,545	06/15/1993	Tomimitsu			
	AB	5,289,440	02/22/1994	Bakx			
	AC	5,436,875	07/25/1995	Shinada			
	AD	5,491,677	02/13/1996	Sasaki			
	AE	5,532,991	07/02/1996	Sasaki			
	AF	5,745,445	04/28/1998	Yasukohchi et al.			
	AG	5,815,472	09/29/1998	Kuroda et al.			
	AH	5,818,801	10/06/1998	Watanabe et al.			
	AI	5,953,291	09/14/1999	Yasukohchi et al.			
	AJ	6,055,216	04/25/2000	Shintani			
	AK	6,115,337	09/05/2000	Takagi et al.			

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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	AL	IP 10-0634433	06/03/1998	Japan				
	AM							
	AN							
	AO							
	AP							

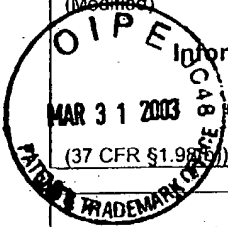
Other Documents (include Author, Title, Date, and Place of Publication)		
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	Applicant Koji Hayashi et al.		
	Filing Date December 26, 2000	Group Art Unit 2653	



U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
la	AA	5,305,298	04/19/1994	Tsuneshi Yokota	/	/	
lc	AB	5,910,935	06/08/1999	Hirihito Takagi et al.	/	/	
lc	AC	6,208,599	03/27/2001	Misao Fukuda	/	/	
lc	AD	6,438,083	08/20/2002	Jacobus P.C. Kroon	/	/	
lc	AE	6,487,616	11/26/2002	Koji Hayashi	/	/	
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
lc	AL	11-259982	24.09.1999	Japan	/	/		
lc	AM	0 974 966	26.01.2000	EPO	/	/		
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

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Examiner Signature <i>Kim Chun</i>	Date Considered 7/22/04
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Substitute Form PTO-1449 (Modified) JUL 03 2002 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney's Docket No. 10449-031001	Application No. 09/748,504
	Applicant Koji Hayashi et al.	
	Filing Date December 26, 2000	Group Art Unit 2653

U.S. Patent Documents

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ll	AA	5,220,545	06/15/1993	Tomimitsu	/	/	
ll	AB	5,289,440	02/22/1994	Bakx	/	/	
ll	AC	5,436,875	07/25/1995	Shinada	/	/	
ll	AD	5,491,677	02/13/1996	Sasaki.	/	/	
ll	AE	5,532,991	07/02/1996	Sasaki.	/	/	
ll	AF	5,745,445	04/28/1998	Yasukohchi et al.	/	/	
ll	AG	5,815,472	09/29/1998	Kuroda et al	/	/	
ll	AH	5,818,801	10/06/1998	Watanabe et al.	/	/	
ll	AI	5,953,291	09/14/1999	Yasukohchi et al.	/	/	
ll	AJ	6,055,216	04/25/2000	Shintani	/	/	
ll	AK	6,115,337	09/05/2000	Takagi et al.	/	/	

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
ll	AL	JP 10-063433	03/06/1998	Japan	/	/		
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

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Date Considered

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-031001	Application No. 09/748,504
	Applicant Koji Hayashi et al.		
	Filing Date December 26, 2000	Group Art Unit 2653	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
u	AA	4,507,767	03/26/85	Takasugi	/	/	
u	AB	4,546,462	10/08/85	Koishi et al.	/	/	RECEIVED
u	AC	4,800,548	01/24/89	Koishi et al.	/	/	JUL 24 2002
u	AD	4,831,611	05/16/89	Sasaki et al.	/	/	Technology Center 2600
u	AE	4,858,219	08/15/89	Yoshikawa	/	/	
u	AF	5,161,144	11/03/92	Takeuchi et al.	/	/	
u	AG	5,170,389	12/08/92	Numata et al.	/	/	
u	AH	5,212,678	05/18/93	Roth et al.	/	/	
u	AI	5,463,607	10/31/95	Roth et al.	/	/	
u	AJ	5,521,893	05/28/96	Yamasaki et al.	/	/	
u	AK	5,682,366	10/28/97	Yamanaka et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
u	AL	02223066	09/05/90	Japan	/	/	Yes	No
u	AM	03228266	10/09/91	Japan	/	/		
u	AN	10-049990	02/20/98	Japan	/	/		
u	AO	2000-040302	02/08/00	Japan	/	/		

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AP	

Examiner Signature <i>Kim du</i>	Date Considered 7/22/04
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10449-031001Application No.
09/748,504**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Koji Hayashi et al.Filing Date
December 26, 2000Group Art Unit
2651 2653**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
ll	AA	6,084,731	Jul. 4, 2000	Uchida et al.	/	/	
	AB						
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	AI						
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Foreign Patent Documents or Published Foreign Patent Applications

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							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
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	AT	

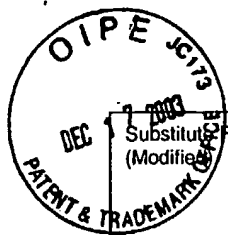
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K. Kim Chun

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-031001	Application No. 09/748,504
	Applicant Koji Hayashi et al.			
	Filing Date December 26, 2000		Group Art Unit 2651-2653	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>u</i>	AA	6,584,053	06/24/03	Tsukihashi	/	/	/
	AB						RECEIVED DEC 18 2003 Technology Center 2600
	AC						
	AD						
	AE						
	AF						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>u</i>	AG	408147879A	06/07/96	Japan	/	/		

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>u</i>	AH	Japan registered publication no. 2842262, equivalent to above noted document AG
	AI	
	AJ	
	AK	

Examiner Signature <i>Kim Chun</i>	Date Considered <i>7/22/04</i>
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Substitute Disclosure Form (PTO-1449)